



Application No. 09/118,833  
Attorney Docket No. 965-232P

type fuel battery is of a co-sinter type, and comprises a material having a matrix of the general formula  $MTiO_3$  where M is Mg, Ca, Sr, or Ba.

5. The solid electrolyte type fuel battery as claimed in claim 4, wherein the current passage of the interconnector is current collection in the vertical direction.

6. A solid electrolyte type fuel battery in which an interconnector for connecting cells of the solid electrolyte type fuel battery comprises a material having a matrix of the general formula  $A_{1-x}B_xC_{1-y}D_yO_3$  where A is Ca, Sr or Ba, B is a rare earth element, aluminum or chromium, C is titanium, D is niobium or tantalum,  $0 < x \leq 0.2$  and  $0 \leq y \leq 0.2$ .

7. The solid electrolyte type fuel battery as claimed in claim 6, wherein the current passage of the interconnector is current collection in the vertical direction.

8. A solid electrolyte type fuel battery in which an interconnector for connecting cells of the solid electrolyte type fuel battery comprises a material having a matrix of the general formula  $A_{1-x}B_xC_{1-y}D_yO_3$  where A is Mg, B is a rare earth

5  
2  
1  
3  
P2  
P3  
element, aluminum or chromium, C is titanium, D is niobium or tantalum,  $0 < x \leq 0.2$  and  $0 \leq y \leq 0.2$ .

9. The solid electrolyte type fuel battery as claimed in claim 8, wherein the current passage of the interconnector is current collection in the vertical direction.

10. A solid electrolyte type fuel battery in which an interconnector for connecting cells of the solid electrolyte type fuel battery comprises a material having a matrix of the general formula  $MTiO_3$  where M is Mg, Ca, Sr, or Ba, wherein the interconnector is integrally burned within said battery.

B 11. The solid electrolyte type fuel battery as claimed in claim 10, wherein said battery comprises <sup>a</sup> fuel electrode, electrolyte, interconnector and air electrode laminated onto a substrate, which are integrally burned within said battery.

P2  
P3  
12. A method of making the solid electrolyte type fuel battery of claim 4, which comprises integrally burning within said battery the interconnector for connecting cells of the solid electrolyte type fuel battery.

13. The method of making the solid electrolyte type fuel battery as claimed in claim 12, wherein said battery comprises<sup>a</sup> fuel electrode, electrolyte, interconnector and air electrode laminated onto a substrate.

14. A method of making the solid electrolyte type fuel battery of claim 6, which comprises integrally burning within said battery the interconnector for connecting cells of the solid electrolyte type fuel battery.

15. The method of making the solid electrolyte type fuel battery as claimed in claim 14, wherein said battery comprises<sup>a</sup> fuel electrode, electrolyte, interconnector and air electrode laminated onto a substrate.

16. A method of making the solid electrolyte type fuel battery of claim 8, which comprises integrally burning within said battery the interconnector for connecting cells of the solid electrolyte type fuel battery.

17. The method of making the solid electrolyte type fuel battery as claimed in claim 16, wherein said battery comprises<sup>a</sup>